

LIST OF CURRENT CLAIMS

Claims 1-30 (Canceled).

31. (New) A mixture, containing a building binder and comprising cellulose, ready for preparing water-based hardenable mixings intended to realise mainly soundproofing agglomerates, and wherein, based on the mixture composition, the cellulose amount is comprised between 5 kg and 100 kg for each cubic meter of finished material.

32. (New) A mixture according to claim 31, wherein said finished material has a density comprised between 150 kg/m³ and 2,600 kg/m³.

33. (New) A mixture according to claim 31, wherein said cellulose is in the form of fibres.

34. (New) A mixture according to claim 33, wherein said fibres have a length in the range of 0.05 ÷ 10 mm and a diameter in the range of 0.05 ÷ 10 mm.

35. (New) A mixture according to claim 31, wherein said cellulose is in the form of paper or cardboard or the like.

36. (New) A mixture according to claim 35, wherein said paper or cardboard or the like is a recycled product.

37. (New) A mixture according to claim 35, wherein the pieces of said paper or cardboard or the like products have size less than 100 mm².

38. (New) A mixture according to claim 31, further comprising cork.

39. (New) A mixture according to claim 38, wherein said cork is in the form of granules or powder.

40. (New) A mixture according to claim 31, further comprising a foam.

41. (New) A mixture according to claim 40, wherein said foam is obtained by transforming a foaming liquid product mixed with water and air.

42. (New) A mixture according to claim 31, further comprising a spongy material.

43. (New) A mixture according to claim 42, wherein said spongy material is polystyrene or similar materials, either virgin or recycled.

44. (New) A mixture according to claim 31, further comprising an inert, called "light inert", having a specific weight in the range from 0 kg/m³ to about 500 kg/m³.

45. (New) A mixture according to claim 31, further comprising an inert, called "heavy inert", having a specific weight in the range from about 500 kg/m³ to about 2,000 kg/m³.

46. (New) A mixture according to claim 31, further comprising a coloured pigment.

47. (New) A mixture according to claim 31, wherein the building binder is cement.

48. (New) A mixture according to claim 31, wherein the building binder is lime.

49. (New) A mixture according to claim 31, wherein the building binder is any natural or synthetic binder acting as a cement-like binder.

50. (New) A method for preparing a water-based hardenable mixing intended to realise soundproofing agglomerates comprising the following sequence of steps:

- i) supplementing a suitable quantity of water into a building concrete-mixer fit for continuous operation;
- ii) starting-up the mixer;
- iii) inserting a first quantity of cement into the mixer;
- iv) inserting a certain quantity of cellulose into the mixer;
- v) forcing a certain quantity of air to be introduced inside said mixing by introducing a certain quantity of spongy material or foam into the mixer;
- vi) inserting a second quantity of cement into the mixer;
- vii) continuously operating said mixer till obtaining a hardenable mixing suitable for laying or for producing manufactured articles.

51. (New) A method according to claim 50, wherein said spongy material is polystyrene.

52. (New) A method according to claim 51, wherein said spongy material is ground polystyrene.

53. (New) A method according to claim 50, further comprising the step of preparing said foam by transforming into foam a foaming liquid product.

54. (New) A method according to claim 50, further comprising the step of preparing said foam by mixing soap with water.

55. (New) A method according to claim 50, wherein said cellulose is in the form of fibres or paper products.

56. (New) A method according to claim 55, wherein said cellulose is in the form of fibres having a length of less than 10 mm and a diameter less than 10 mm.

57. (New) A method according to claim 55, wherein said cellulose is in the form of pieces of paper products having size less than 100 mm².

58. (New) A method according to claim 50, further comprising, between step iv) and step v) in said sequence of steps, the step of inserting a certain quantity of cork, in the form of granules or powder, into the mixer.

59. (New) A method according to claim 58, wherein said cork granules have a size less than 100 mm².

60. (New) A method according to claim 50, further comprising the step of inserting a certain quantity of coloured pigment into the mixer.

61. (New) A method according to claim 50, wherein said articles are panels, bricks or tiles.